

Title (en)

One-stage voltage level shift circuit and system using the same

Title (de)

Einstufen-Spannungspegelumsetzungsschaltung und deren Verwendung in einem System

Title (fr)

Circuit de translation de niveau de tension à un étage et système d'utilisation associé

Publication

EP 1317067 A2 20030604 (EN)

Application

EP 02258337 A 20021203

Priority

- US 33453201 P 20011203
- US 22724802 A 20020826

Abstract (en)

A system and method for level shifting a core, lower voltage in a one-stage level shift device to produce a higher, driving voltage. The system includes a first device that optimally functions with a first voltage and that outputs the first voltage. The system also includes a one-stage level shift device that receives the first voltage and shifts the first voltage to a second voltage without an intermediate voltage, the second voltage being higher than the first voltage. The system also includes a second device that receives the second voltage to optimally function. In some cases, the first voltage can be a periodic wave such that the higher voltage is produced with one portion of the level shift device during a first portion of the wave and another portion of the level shift device during a second portion of the wave. <IMAGE>

IPC 1-7

H03K 19/096; **H03K 3/356**; **H03K 17/10**

IPC 8 full level

H03K 19/003 (2006.01); **H03K 19/0185** (2006.01)

CPC (source: EP US)

H03K 19/00315 (2013.01 - EP US); **H03K 19/018521** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

EP 1317067 A2 20030604; **EP 1317067 A3 20040218**; **EP 1317067 B1 20080820**; AT E405991 T1 20080915; DE 60228389 D1 20081002; US 2003102890 A1 20030605; US 2005140391 A1 20050630; US 6906552 B2 20050614; US 7112998 B2 20060926

DOCDB simple family (application)

EP 02258337 A 20021203; AT 02258337 T 20021203; DE 60228389 T 20021203; US 22724802 A 20020826; US 7023505 A 20050303